6AH4-GT

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MEDIUM-MU TRIODE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage	6.3	ac or dc volts
Current	0.75	amp

Direct Interelectrode Capacitances (No external shield):

Grid to Plate	4.4	μμf
Input	7	μμf
Output	1.7	μμf

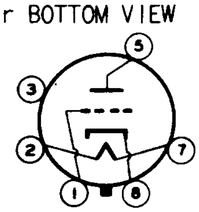
Characteristics, Amplifier Class A_1:

Plate Voltage	250	volts
Grid Voltage	−23	volts
Amplification Factor	8	
Plate Resistance	1780	ohms
Transconductance	4500	μmhos
Plate Current	30	ma
Grid Volts (Approx.) for plate current of 0.5 ma	−40	volts

Mechanical:

Mounting Position	Any
Maximum Overall Length	3-5/16"
Maximum Seated Length	2-3/4"
Maximum Diameter	1-9/32"
Bulb	T-9
Base	Short Intermediate-Shell Octal 6-Pin (JETEC No. B6-60)
Basing Designation for BOTTOM VIEW	8EL

Pin 1 - Grid
Pin 2 - Heater
Pin 3 - No Conn.



Pin 5 - Plate
Pin 7 - Heater
Pin 8 - Cathode

VERTICAL DEFLECTION AMPLIFIER

Maximum Ratings, *Design-Center Values Except As Noted:*

For operation in a 525-line, 30-frame system□

DC PLATE VOLTAGE	500 max.	volts
PEAK POSITIVE-PULSE PLATE VOLTAGE*	2000♠ max.	volts
DC POSITIVE GRID VOLTAGE	0 max.	volts
PEAK NEGATIVE-PULSE GRID VOLTAGE	−200 max.	volts

□ As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations", Federal Communications Commission.

* The duration of the voltage pulse must not exceed 15% of one vertical scanning cycle. In a 525-line, 30-frame system, 15% of one vertical scanning cycle is 2.5 milliseconds.

♠ Under no circumstances should this absolute value be exceeded.

RCA

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CATHODE CURRENT:		
DC	180 max.	ma
Peak	60 max.	ma
PLATE DISSIPATION	7.5 max.	watts
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode .	200 max.	volts
Heater positive with respect to cathode .	200▲ max.	volts

Maximum Circuit Values:

Grid-Circuit Resistance	2.2 max.	megohms

▲ The dc component must not exceed 100 volts.